Ontario

Ministry of Natural Resources

Ministry of Northern Affairs

ONTARIO GEOLOGICAL SURVEY

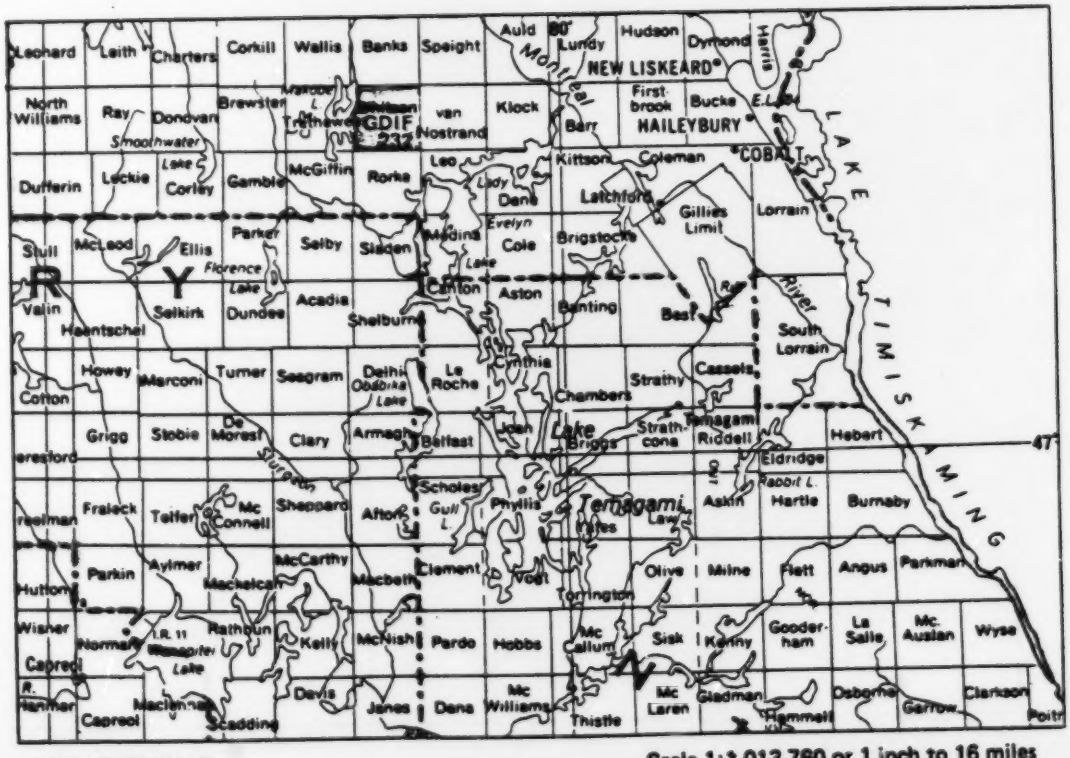
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 232

WHITSON TOWNSHIP

DISTRICT OF TIMISKAMING

Compiled by the Staff of
the Resident Geologists Office
Cobalt



LOCATION MAP

Scale 1:† 013 760 or 1 inch to 16 miles

86-0830/

NTS Number 41 P/8

Mining Claim Map Number M-257

This project was funded by the Ontario Ministry of Northern Affairs through the Northern Ontario Geological Survey (NOGS) Program.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Whitson Township, District of Timiskaming; Ontario Geological Survey, Geological Data Inventory Folio 232, compiled by the staff of the Resident Geologist's Office, Cobalt, 26 pages and 2 maps.

Original Compilation by: Patricia Anderson, June 21, 1984.

Date	Page Revised	Revised by

Date	Page Revised	Revised by

WHITSON TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 1 map

Exploration Data Map - 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	Yes	D.P.A.
3	ODM General Index; 7 volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	Yes	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	Miscellaneous Papers: ODM & OGS	Yes	D.P.A.
16	ODM Geological Circulars: OGS Study Series	No	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	No	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	No	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial Photographs on File, Toronto	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
▲ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
▲ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . .Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
▲ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . .Galena
△ gt. . . . . .Garnet
△ goe. . . . . .Goethite
▲ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
▲ hem . . . . . Hematite
△ il . . . . . .Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
△ mc . . . . . .Malachite
△ Mn . . . . . Manganese
△ mb . . . . . .Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
△ mo . . . . . .Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
△ po . . . . . .Pyrrhotite
△ q . . . . . .Quartz
△ qcv. . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . , Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
▲ sm . . . . . .Smaltite
△ sod. . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur. . . . . Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Darby	Co - major Bi, Ni - minor	T-0110		OGS, 1973, GR 106, pp. 66-67 OGS, 1973, Map 2257 OGS, 1970, OFR 5050, pp. 177-179 Whitson Twp. AF Darby Mines Co.
B.	White Reserve (Argentium)	Ag, Co - major Ni, Bi, Au, Cu - minor	T-0107	MDC 10, pp. 364-365 Ag 1	ODM, 1910, Statistical Review, ODM Vol. 19, pt. 1, p. 21, Gibson, T.W. ODM, 1943, Bull. 134, p. 17 ODM, 1965, Map P. 301 ODM, 1967, Map 16f OGS, 1970, OFR 5050, pp. 179-188 OGS, 1973, GR 106, pp. 66, 67 OGS, 1973, Map 2257 Whitson Twp. AF, Argentium Silver Mines Ltd. Ni-Ag-Co Mines Ltd. Thomson, R. - notes White Reserve Mine

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																			
1	White Bros. [1907-1908] - bought by Canadian Ores Ltd. [1908]			07			07 08 09													
2	White Reserve Mines Ltd. [1909] - White Reserve Mining Co. Ltd. [1914]			14-17		09	09 10 14 15 17 18	09												
	- leased to group of English capitalists [1920] under J.B. Tyrell			19-20			19 20													
	Universal Gold Syndicate						30 34 39 40													

GDIF FORM NO. 2

MADISON TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
3	Ni-Ag-Co Mines [1946-1951] - formerly known as White Reserve and as Nikki Silver	50		46 50	46 48 50 51	49 50	46 47 50	49 50 51 61												
4	Roy Silver, staked by A. Leonard							53												
5	Argentium Silver Mines Ltd.			69 70 71 72 74 76																
6	Union Miniere Exploration & Mining Corp. Ltd. - UMEX - Argentium option AFRO #63.2405	68	68		68	68			69			68	68							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
7	Darby Mines Co. Ike Proctor [1948]			07 09			09?	09 13 48												

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1a	Ni-Ag-Co Mines Ltd.	N-1	1950	350	-45	10	710.6	mag, py, cp, gn, hem, sm	Ag, Au
1b		N-2	1950	205	-45	5	694	py, cp	Ag, Au
1c		N-3	1950	205	-35	12	703	cp	Ag, Au
2a	Ni-Ag-Co Mines Ltd.	NU-1	1950	205	00	no logs	available		
2b		NU-2	1950	035	00				
2c		NU-3	1950	205	+45				
2d		NU-4	1950	205	00				
2e		NU-5	1950	205	-35				
3a	Union Miniere Exploration & Mining Corp. Ltd. - UMEX	68-1	1968	035	-45	8	595	py, cp	
3b		68-2	1968	195	-45	8	600	py, cp	Ag, Cu, Ni
3c		68-3	1968	205	-45	8.5	505	py, cp, sm, Ag	Ag
3d		68-4	1968	000	-45	21	607	py	
4	Union Miniere Exploration & Mining Corp. Ltd. - UMEX	68-5	1968	350	-45	6.5	712	py, cp, arg?, sm/Co	Ag, Co

GDIF FORM NO. 3

WHITSON TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
6	By: Canadian Aero Mineral Surveys Ltd. For: Union Miniere Exploration & Mining Co. Ltd. & Argentium Silver Mines Ltd. AFRO #63.2514	Magnetic using the total magnetic intensity "Flux Gate" saturable core instrument by Gulf Research & Development Co.	250'	N/S	1/16 mile

GDIF FORM NO. 4

WHITSON TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
6	Bedrock Survey	Ag, Co, Ni, Bi by atomic absorption	Shield Geophysics Ltd., Timmins- analysis by Bondar-Clegg & Co. Ltd., Ottawa	Whitson Twp. AF, Argentium Silver Mines Ltd.

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of		June 21, 1984.	

LANDSAT COLOUR PHOTO - NTS 31/M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/81	C1	136/10

on file in Cobalt office

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Cobalt

White Reserve

Ni-Ag-Co Mines Ltd.

ODM GENERAL INDEX SEARCH

Words searched: Anvil Lake
Argentium Silver Mines Ltd.
Banks Lake
Big Bilsky Lake
Darby Lake
Darby Mines Co.
Darby Silver Mine

Index Volume	Listing:	Report Volume	Part	Page
1.	Anvil Lake, N. of Lady Evelyn lake			
	Country around, character	*16	1	117
		*19	2	155
	Course of	*16	2	37
		*19	2	118
	Silver near	*16	1	8, 45
		*16	2	67
	mining	*17		18, 48
	Smaltite	*16	2	125
	Darby Lake, Whitson Twp.			
	Diabase	*16	2	122
		*19	2	158
	Silver in, See Darby Silver Mine			
	Darby Silver Mine, Darby lake, Whitson Twp.	*16	2	125, 126
		*18	1	128
	Darby Mines Ltd.			
	Capital and date of charter	*18	1	43
	Maple Mountain Area			
	See also Speight Twp. Whitson Twp.			
	Silver mining	*25	1	126
	White Bros.			
	Silver discovered by, Anvil Lake, mining, Anvil lake	*16	1	8
		*17		18
		*18	1	95, 128
		*19	2	158
	See also White Silver Mine			

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched: Duncanson Lake
Grays Lake
Maple Mountain
Morin Lake
Montreal River Silver Area
Ni-Ag-Co Mines Ltd.
Niki Silver-Cobalt Mines Ltd.

Index Volume	Listing:	Report Volume	Part	Page
1	White Silver Mine, Whitson Twp.			
	Discovery and sale	*17		18
	Plagioclase, analysis	*19	2	158
	Prospecting near	*17		48
	Rocks	*16	2	122
		*19	1	116
	Veins	*16	2	125
	See also White Bros. and White Reserve			
	White Reserve Mining Co. Ltd.			
	Capital and date of charter	*24	1	60
	Work by	*24	1	61, 128
	White Reserve Silver Mining Co.			
	Capital	*25	1	117
	and date of charter	*19	1	49
	Shipping (1909)	*19	1	14
		*19	2	163
	Work by, Maple Mountain area	*19	1	117
	(1915)	*25	1	117
	Whitson Township, Tim.			
	Cobalt	*19	2	129
	Iron Mining	*18	1	195
	Maple Mountain in	*16	2	117, 121
	See also Maple Mountain			
	Silver Mining in	*24	1	128
		*25	1	126

ODM GENERAL INDEX SEARCH

Words searched: Nikki Silver Mine
Roy Silver Mines Ltd.
Union Miniere Explorations & Development Co. Ltd. (UMEX)
Universal Gold Syndicate
White Bros.
White Reserve Mine
White Reserve Mines Ltd.

Index Volume	Listing:	Report Volume	Part	Page
2	Maple Mountain Silver Area,			
	Speight and Whitson Twps.			
	Silver Production (1920)	30	1	10
	(1921)	31	1	11
	(to 1921)	*31	2	18
	(1923)	33	1	10
	See also Montreal River s.a. White Reserve s.m.			
	Montreal River Silver Area, Tim.			
	Silver production (1909-21)	31	1	11
		32	1	12
	(1909-23)	33	1	10
	(1909-24)	34	1	16
	White Reserve Silver Mine, Whitson Twp.			
	Accident	*29	1	63, 64
	Operating (1916)	*26	1	133
	(1917)	*27	1	70, 132
	(1920)	30	1	125
	Producing (1920)	30	1	10
	Whitson Twp., Tim.			
	Silver mg. See White Reserve s.m.			
3	Montreal River Mining Div.			
	Gowganda mg. div. joined with	46	1	66
	Recorder's reports - see mining div.			
	Silver production	47	1	32

ODM GENERAL INDEX SEARCH

Words searched: White Reserve Mines Ltd.
White Reserve Silver Mining Co. Ltd.
White Silver Mine
Whitson Township

Index Volume	Listing:	Report Volume	Part	Page
4	Maple Mountain Area, Tim.			
	Silver-cobalt mg.	55	2	95
	Montreal River, L. Timiskaming			
	Silver mg.	59	2	92
	Ni-Ag-Co Mines Ltd.			
	Incorporated	56	1	46
	Niki Silver-Cobalt Ltd.			
	Capital; officers; operations	55	2	95
	Roy Silver Mines Ltd.			
	Incorporated	57	1	48
	White Reserve Silver Mine, Whitson Twp.			
	Operations (1945)	55	2	95
	Whitson Twp., Tim,			
	Silver-cobalt mg.	55	2	95
5	Ni-Ag-Co Mines Ltd.			
	Capital; officers; operations	60	2	95
	Nikki Silver Mine, Whitson Twp.			
	Operations	60	2	95

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
5	Roy Silver Mines Ltd.			
	Capital; officers; operations: (1950)	60	2	96
	(1951)	61	2	103
	(1952)	62	2	115
	(1953)	63	2	137
	(1954)	64	2	132
	White Reserve Silver Mine, Whitson Twp. or Nikki			
	Operations	60	2	95
	Whitson Twp., Tim			
	Silver-cobalt mg.	60	2	95
	Roy Silver Mines Ltd.			
	Name changed	65	1	38
8	Argentium Silver Mines Ltd.,			
	Speight Twp., Timiskaming Dist.			
	report on Skull L. Property	GR 106		67-68
	Van Nostrand Twp., Timiskaming Dist.			
	report on Bergeron L. Deposit	GR 106		65
	report on Goldie L. Deposit	GR 106		67
	report on Niccolite L. Deposit	GR 106		67
	Whitson Twp., Timiskaming Dist.			
	mining property report on	MRC 10		364-365
	report on Darby Silver Mine	GR 106		66-67
	report on White Reserve Mine	GR 106		68-73
	Darby Lake			
	Whitson Twp., Timiskaming Dist.	GR 106		66, 70, 73

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	Darby Silver Mine, Argentium Silver			
	Whitson Twp., Timiskaming Dist.			
	mining property, report on	GR 106		66-67
	Maple Mountain Area, Timiskaming, Nipissing and Sudbury Dist.			
	see also Maple Mountain operation Sudbury and Timiskaming Dist.			
	base metals/gold/silver	GR 106		90-100
	Geology of the area			
	Report on & maps 2256 to 2260, 1973 by K.D. Card, W.H.McIlwaine & H.D. Meyn	GR 106		
	iron	GR 106		100-109
	silver/cobalt	GR 106		61, 65-89
	uranium	GR 106		110-117
	Maple Mountain Fault			
	Maple Mountain Area, Timiskaming Dist.	GR 106		53, 55
	Maple Mountain Operation Sudbury & Timiskaming Dist.			
	see also Maple Mountain area, Timiskaming, Nipissing & Sudbury Dist.			
	Summary of field work, 1969 by K.D. Card	MP 32		38-41
	Summary of field work, (biogeochemical), 1969 by W.J. Wolfe	MP 32		41-42
	Maple Mountain Syncline			
	Maple Mountain area, Timiskaming Dist.	GR 106		53-54

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ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	Montreal River			
	Cobalt-Matachewan area, Timiskaming Dist.	GB 2		106-108
		GR 51		6, 11, 18, 19, 49
		GR 62		13, 14, 18, 19,
		GR 83		15-51 passim, 82-86
		GR 89		18, 23, 29, 30, 42, 43, 47
		GR 106		82, 95
		GR 127		55
	Montreal River Fault			
	Timmins-Cobalt areas, Timiskaming & Cochrane Dist.	GR 58		55-56
		GR 83		22
		GR 86		22, 28, 55, 60
		GR 104		24
		GR 106		53, 54
		MP 39		8
	Ni-Ag-Co Mines Ltd.			
	Whitson Twp., Timiskaming Dist.	GR 106		68
	Niki Silver-Cobalt Mines Ltd.			
	Whitson Twp., Timiskaming Dist.	GR 106		68
	Union Miniere Exploration & Mining Corp. Ltd.			
	Whitson Twp., Timiskaming Dist.	GR 106		68

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	White Reserve Mine			
	Whitson Twp., Timiskaming Dist.	GR 106 MP 32 MRC 10		68-73 45-47 364-365
	White Reserve Mines Ltd.			
	Whitson Twp., Timiskaming Dist.	GR 106		68
	White Reserve Mining Co. Ltd., The			
	Whitson Twp., Timiskaming Dist.	GR 106		68
	Whitson, Ray, Donovan, Van Nostrand, Speight & Auld Twps., Timiskaming Dist.			
	summary of field work, 1969 by W.H. McIlwaine	MP 32		45-47
	Whitson Twp., Timiskaming Dist.			
	Geology of the Maple Mountain area	GR 106		
	silver/cobalt	GR 106		66-73 passim
		MRC 10		364-365
	* Out of Print			

GDIF FORM NO. 8

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Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K.D. et al	1971	Sudbury-Cobalt Sheet; Algoma, Manitoulin, Nipissing, Parry Sound, Sudbury & Timiskaming Districts, Ontario	ODMNA Map 2188	1:253 440
Card, K.D., Lumbers, S.B.	1977	Sudbury-Cobalt, NTS 31L/W, 31M/SW, 41I, 41P/S, Sudbury & AL 5 Districts, Ontario	OGS Map 2361	1:253 440
		GEOPHYSICAL MAPS		
	1965	Lady Evelyn Lake, areomagnetic	GSC Map 281G	
	1965	Lady Evelyn Lake, Ontario, NTS 41P/8	GSC Map 1504G	1:63 360
GSC-OGS	1979	Airborne gamma-ray spectrometry maps & profiles, NTS 41P, Sudbury & 2 AL Districts, Ontario	OGS Maps 80372-80410	1:250 000
Gupta, V.K., Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, Temagami-Englehart Area, Districts of Timiskaming, Nipissing & Sudbury	OGS Map P.2296	1:100 000
	1981	Temiskaming-Kapuskasing Region Magnetic Anomaly Map	GSC Map 1563A	1:1 000 000
Gupta, V.K., Grant, F.S., Boud, A.	1981	A Gravity Study in North-Central Ontario, Districts of Sudbury, Nipissing and Timiskaming; in Summary of Field Work, 1981, edited by J. Wood et al, Ontario Geological Survey	OGS MP 100	No. 26 pp. 160-164
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Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
Nansinha, L., Wilkinson, D.A.	1983	Interpretation of Gravity Data from New Liskeard, Ontario; Ontario Geoscience Research Grant Program, Grant No. 109	OGS OFR 5440	
GSC	1984	Sudbury, Ontario and Quebec IMW NL 16/17, Magnetic Anomaly	GSC Map NL 16/17-M	1:1 000 000
		Earth Physics Branch Gravity Map Series	EPB Maps No. 84 and No. 134	1:500 000
		Aeromagnetic map	MNR Map 7076G	1:253 440
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
	1951	Maple Mountain Ontario, topographic	NTS 41P/SE	1:126 720
	1976	Lady Evelyn Lake, Ontario, topographic	NTS 41P/8	1:50 000
	1977	Sudbury, topographic	NTS 41P	1:250 000
Roed, M.A.	1979	Maple Mountain, NTS 41P/SE	NOEGTS 89 OGS Map 5023	1:100 000
	1982	Ontario Basic Map Sheets	MNR Maps 20 17 5400 52500 20 17 5500 52500 20 17 5400 52600 20 17 5500 52600	1:20 000
		Claim Map, Whitson Twp.	MNR Map Plan No. M-257	1" = 40 ch.

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Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet, & Part of Ville Marie Sheet, NTS 41P, 31M/W, Timiskaming & Sudbury Districts, Ontario	OGS Map P. 1514	1:250 000
		GEOCHEMICAL		
Wolffe, W.J. et al	1970	Operation Maple Mountain, Bio-Geochemical Distribution of Cobalt in 2nd Year Aspen & Birch Twigs, Van Nostrand & Whitson Twp., Timiskaming Districts, Ontario	ODM Map P. 600	1:31 680
		GEOLOGICAL REPORTS AND MAPS		
Barlow, A.E.	1899	Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets, Comprising Portions of the District of Nipissing Ontario and of the County of Pontiac, Quebec	*GSC Annual Report vol. X, pt. I *GSC Map 599	
Miller, W.G.	1906	The Cobalt-Nickel Arsenides and Silver Deposits of Temiskaming, Ontario	*OBM Annual Report, 1905, vol. 14, pt. 2	
Barlow, A.E.	1908	Second Edition of a Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets, Comprising Portions of the District of Nipissing, Ontario and of the County of Pontiac, Quebec	*GSC Separate Report 962	

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Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Miller, W.G.	1908	The Cobalt-Nickel Arsenides and Silver Deposits of Temiskaming (3rd Edition), Other Temiskaming-Cobalt Areas, part of Montreal River & Temagami Forest Reserve	*OBM Annual Report, 1907, vol. 16, pt. 2, ch. 3 OBM Map 16f	pp. 117-128 1:63 360
Collins, W.H.	1910	The Florence Lake and Montreal River District, Ontario	*GSC Summary Report, 1909	pp. 168-172
Knight, C.W.	1913	The Cobalt-Nickel Arsenides and Silver Deposits of Temiskaming (4th Edition), the Outlying Cobalt-Silver Areas, Montreal River and Temagami Forest Reserve, Ontario	*OBM Annual Report, 1910, vol. 19, pt. 2, ch. 2	pp. 155-164
Collins, W.H.	1914	The Geology of the Gowganda Mining Divison	*GSC Memoir 33 GSC Map 64A	
Burrows, A.G.	1922	Gowganda & Other Silver Areas, 1. Gowganda Silver Area (4th Report), Timiskaming & Nipissing Districts, Ontario	ODM Annual Report, 1921, vol. 30, pt. 3, ODM Map 30b	pp. 1-46 1:63 360
Todd, E.W.	1926	Anima-Nipissing Lake Area, Timiskaming & Nipissing Districts, Ontario	ODM Annual Report, 1926, vol. 35, pt. 3, ODM Map 35c	pp. 79-104 1:63 360
Donovan, J.F.	1965	Maple Mountain Sheet, Districts of Sudbury, Timiskaming and Nipissing, Ontario	ODM Map P. 301	1:126 720
Roscoe, S.M.	1969	Huronian Rocks and Uraniferous Conglomerates in the Canadian Shield	GSC Paper 68-40	205 p.

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		GEOLOGICAL REPORTS AND MAPS		
Card, K.D., McIlwaine, W.H., Meyn, H.D.	1970	Operation Maple Mountain, Districts of Timiskaming, Nipissing & Sudbury, Ontario	ODMNA OFR 5050 ODM Map P. 585	1:63 360
McIlwaine, W.H.	1970	Operation Maple Mountain, Whitson Township, District of Timiskaming, Ontario	ODM Map P. 580	1:15 840
Card, K.D., McIlwaine, W.H., Meyn, H.D.	1973	Geology of the Maple Mountain Area, Timiskaming, Nipissing & Sudbury Districts, Ontario	ODM GR 106 ODM Map 2257	1:63 360
Wood, J.	1979	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing and Timiskaming; in V.G. Milne et al, editors, Summary of Field Work, 1979 by the OGS	OGS MP 90	No. 18 pp. 79-81
Wood, J.	1980	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing and Timiskaming; in V.G. Milne et al, editors, Summary of Field Work, 1980 by the OGS	OGS MP 96	No. 14 pp. 61-63
Colvine, A.C.	1981	Reconnaissance of the Lorrain Formation, Northern Cobalt Embayment; in J. Wood et al, editors, Summary of Field Work, 1981 by the OGS	OGS MP 100	No. 29 pp. 187-189
Hunter & Assoc. Ltd.	1984	Peat and Peatland Evaluation of the New Liskeard Area	OGS OFR 5486, Volumes 1, 2, 3	

Author	Date	SELECTED REFERENCES Title	Reference	Map Scales and/or Report Pages
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS No data available as of June 21, 1984 * Out of Print		

GDIF FORM NO.9

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the maps, only areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

The White Reserve Mine has produced silver sporadically from 1907 to 1940.

The township was closed to staking in 1978 due to the Bear Island Indian Caution.

Only drill hole data for which maps and/or logs are available are recorded in the drill hole summary and on the exploration data map. Other drilling reported but not substantiated is described under type of work.

AIR PHOTOS - on file in Toronto

Only 1977 photos are available for viewing at the Public Service Centre, Rm. 1640, Whitney Block.

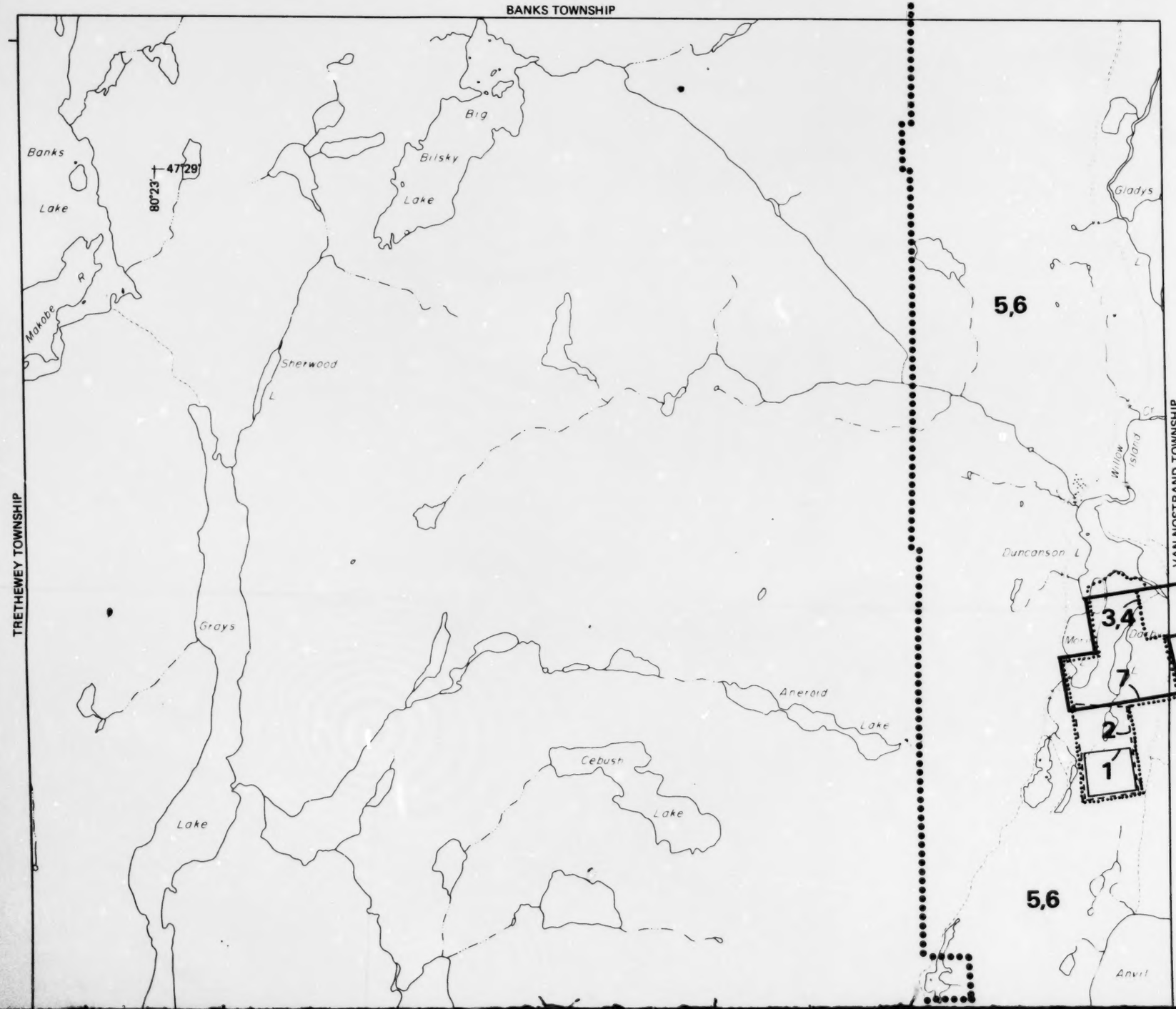
Photos can also be ordered from here for the years 1946, 1958 and 1970.

Year	Roll	Strip	Photo
1946	206	111	20-26
	219	112	4-8
	54	113	102-109
	53	114	94-98
	51	115	45-53
1958	121	4721	255-262
	121	4720	223-230
	18	4719	51-57
	18	4718	116-123
	19	4717	123-130
1970	20	4721	217-220
	44	4721	178-182
	19	4720	259-265
	19	4719	166-172
	19	4718	77-84
	30	4717	256-263
1977	2	4720	37-44
	45	4719	15-19
	2	4719	85-90
	3	4718	36-44
	3	4717	122-129

BANKS TOWNSHIP

TRETHEWEY TOWNSHIP

VAN NOSTRAND TOWNSHIP



Ministry of Natural Resources

Ministry of Northern Affairs

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 232

(Map **1** of **2**)

WHITSON TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 232

(Map **1** of **2**)

WHITSON TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ Geochemical sample site, with reference number
- ☒ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number
- ☒ Geochemical anomaly

GEOPHYSICAL ANOMALIES

- ☒ Airborne Magnetometer Anomaly
- ☐ Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ☐ Airborne Radiometric Anomaly
- ☒ Ground Magnetometer Anomaly
- ☒ Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- ☐ Ground Radiometric Anomaly
- ☐ Induced Polarization Anomaly
- ☐ Self Potential Anomaly
- ☐ Audio-frequency magnetometer anomaly
  (total intensity)
- ☐ Resistivity Anomaly
- ☐ Gravity Anomaly

MISCELLANEOUS DATA

- ☒ Trenching, pit
- ☐ Rock quarry
- ☒ Adit
- ☐ Sand and/or gravel pit

Ministry of Natural Resources

Ontario

Ministry of Northern Affairs

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 232

(Map **2** of **2**)

WHITSON TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☐ cp A. — Mineral occurrence at surface, with reference letter
- ☒ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp A. — Mineralized Float with reference letter

DRILL HOLES

- ☒ ●2 — Location of single drill hole, with reference number

Age dating material sampling site, with reference number

Geochemical anomaly

GEOPHYSICAL ANOMALIES

Airborne Magnetometer Anomaly

Airborne Electromagnetometer Anomaly
Length of anomaly along flight line

Airborne Electromagnetometer Anomaly.
Location of anomaly along flight line

Airborne Electromagnetometer Anomaly
Conductor Axis: definite, probable, possible

Airborne Radiometric Anomaly

Ground Magnetometer Anomaly

Ground Electromagnetometer Anomaly
(VL - Vertical Loop; HL - Horizontal Loop;
VLF - Very low freq; Turam; JEM -
Crone EM - 16)

Ground Radiometric Anomaly

Induced Polarization Anomaly

Self Potential Anomaly

Audio-frequency magnetometer anomaly
(total intensity)

Resistivity Anomaly

Gravity Anomaly

MISCELLANEOUS DATA

Trenching, pit

Adit

Open pit

Number of closely
spaced trenches and pits

Rock quarry

Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 232

(Map **2** of **2**)

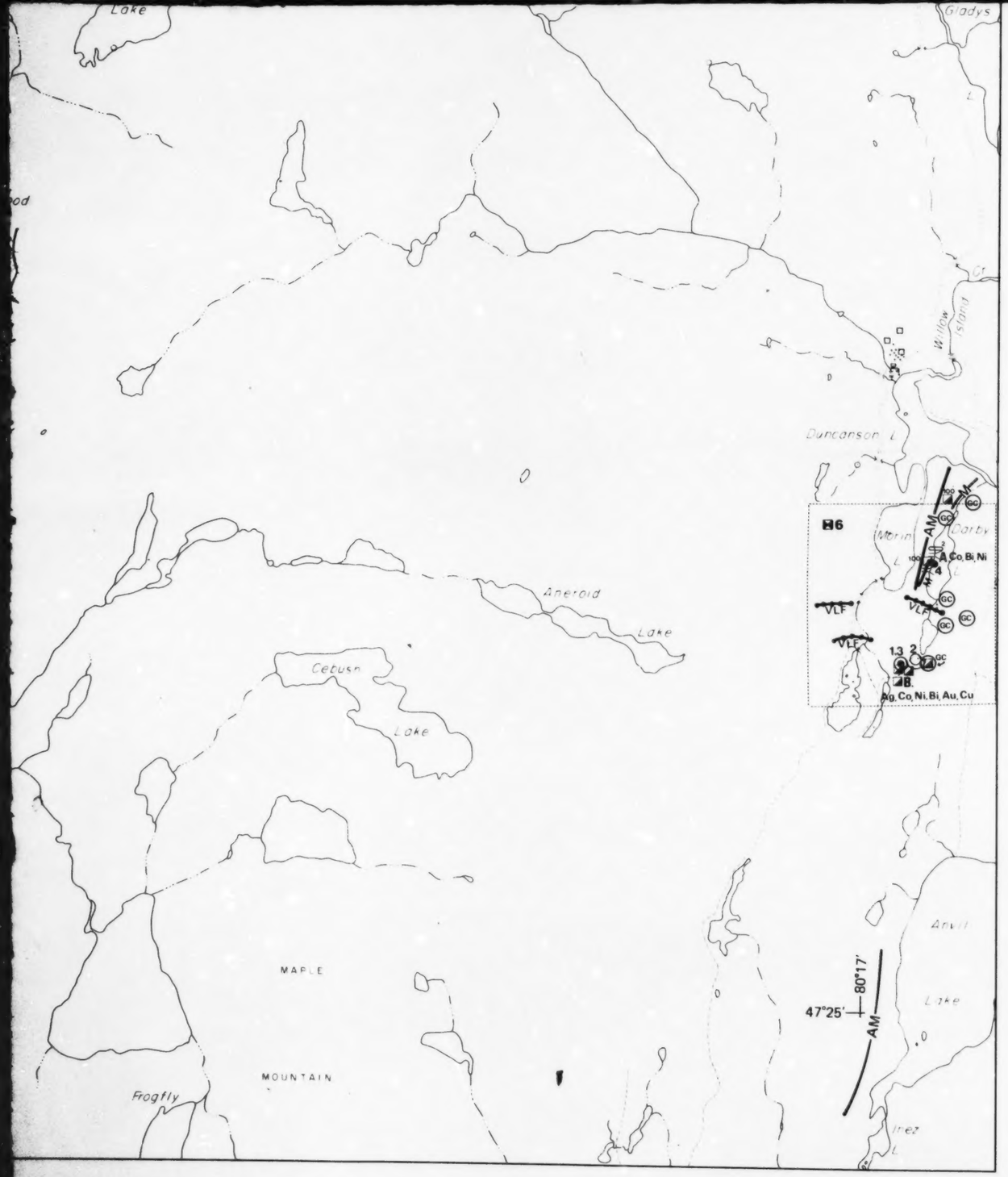
WHITSON TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

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- ☐ cp A. — Mineral occurrence at surface, with reference letter
- ☒ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp A. — Mineralized Float with reference letter

DRILL HOLES

- ☒ ●² — Location of single drill hole, with reference number
- ☒ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ (?)² — Drill hole, exact location uncertain, with reference number.
- ☒ ◡ — Property with underground drill holes in this general area, with reference number
- ☐ ○² — Property with drill holes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number